

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A radio-frequency phase shift assembly for coupling to a feed line, having the following features comprising:

- ~~having at least two stripline sections (21a, 21b, 21c, 21d) which are arranged concentrically, on the said~~ at least two stripline sections for coupling to (21a, 21b, 21c, 21d), at least two different pairs of antenna radiating elements (1a, 1b, 1c, 1d, 1e, 1f) ~~can be driven with different phase angles (ϕ) at mutually offset tapping points (39a, 39b),~~

- ~~having~~
 - ~~a tapping element (25) which can be pivoted~~pivotable about a pivoting axis, (23) ~~the tapping element (25) has~~ having a tapping section (27) for each stripline section (21a, 21b, 21c, 21d), ~~which said tapping sections (27) can be pivoted~~being pivotable over the associated stripline section (21a, 21b, 21c, 21d) and is being connected ~~coupled~~ thereto,

- plural connection lines, the tapping element (25) ~~is in this case furthermore being~~ connected at least indirectly to a said feed line (13) such that the feed line (13) is electrically connected via a ~~number of~~ the plural connection lines (31a, 31b, 31c, 31d) to the tapping sections (27) ~~which are associated with the individual said~~ stripline sections (21a, 21b, 21c, 21d),

~~—characterized by the following further features:~~

- ~~wherein~~ the tapping element (25) ~~is formed like~~ comprises a pointer element which rotates about the pivoting axis (23), and
- ~~for this purpose~~ wherein, the respective connection line (31a—31d) is formed with respect to a next, further outward stripline section (21b—21d) by extending the respective preceding further inward connection line (31a—31e) which leads to the respective further inward tapping section (27a—27e).

Claim 2 previously canceled without prejudice.

3. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ wherein the connection lines (31a—31d) ~~at the same time represent~~ comprise transformers, ~~via which share the power is shared in a predefined manner between the tapping sections (27a—27d) of the plurality of at least two stripline sections (21a—21d).~~

4. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ wherein the tapping element (25) ~~is formed like~~ comprises a radial point element originating from the pivoting axis (23).

5. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ wherein the at least two stripline sections comprise an innermost stripline section and an outermost stripline section, and wherein the share of the power which is fed in via the feed line (13) decreases from the innermost stripline section (21a) to the outermost stripline section (21d).

6. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ wherein the at least two stripline sections comprise an innermost stripline section and an outermost stripline section, and the share of the power which is fed in via the feed line (13) increases from the innermost stripline section (21a) to the outermost stripline section (21d).

7. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ wherein the at least two of the stripline sections (21a—21d), and preferably groups of at least two, or all, of the stripline sections (21a—21d), are fed with ~~the same power, or virtually the same power.~~

8. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ wherein at least one of the radius or and diameter of the stripline sections (21a—21d) increases by a constant factor.

9. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ wherein the phase shift assembly operates at a predetermined RF wavelength, and the distances between the stripline sections (21a—21d) are 0.1 to 1.0 times the predetermined ~~transmitted~~ RF wavelength.

10. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ wherein the tapping sections (27a—27d) are in the form of comprise capacitively coupled tapping sections (27), ~~which are~~ each composed of flat strip conductors, ~~and between which~~ a dielectric (37) is ~~arranged~~ disposed between said flat strip conductors.

11. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ further including a center tap electrically connected to the feed line, a capacitive coupling is being provided between the center tap (29), which is electrically connected to the feed line (13), and the coupling section (33), which is said coupling section being electrically connected to the tapping element (25), and this said capacitive coupling comprises comprising a dielectric (37b) which is provided between the at least two stripline sections.

12. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that this phase shift assembly is formed on~~ further including a conductive, in particular metallic, base plate (25), which is preferably formed by the antenna reflector, said above-mentioned elements being disposed on said reflector of the antenna (1).

13. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that this phase shift assembly is shielded by~~ further including a metallic cover, shielding said phase shift assembly.

14. (Currently amended) The phase shift assembly as claimed in claim 1, ~~characterized in that~~ further including a cover, and wherein the connection line (31a—31d) and the stripline sections (21a—21d), together with the cover for the phase shift assembly, are in the form of a triplate line.

15. (Currently amended) The phase shift assembly as claimed in claim 1,
~~characterized in that~~wherein the stripline sections ~~(21a-21d)~~ each have a defined
characteristic impedance.

16. (Currently amended) The phase shift assembly as claimed in claim 1,
~~characterized in that~~further including a reflector, a dielectric, and a center tap (29) for the
tapping element ~~(25)~~ that is is separated from, and is held above, the reflector ~~(35)~~ by
means of ~~a~~ the dielectric ~~(37a)~~.

17. (Currently amended) The phase shift assembly as claimed in claim 1,
~~characterized in that~~wherein the at least two stripline sections ~~(21a, 21b)~~ are curved, ~~and~~
~~in particular are in the form of circle segments.~~

18. (Currently amended) The phase shift assembly as claimed in 17, ~~characterized~~
~~in that~~wherein the at least two stripline sections have center points, of the at least two
stripline sections ~~(21a to 21e)~~ which are in the form of circle segments, are said at least
two stripline section center points being arranged such that they run in the form of circle
segments around a common center point.

19. (Currently amended) The phase shift assembly as claimed in claim 1,
~~characterized in that~~wherein the center points of the stripline sections ~~(21a to 21e)~~ lie on
the pivoting axis ~~(23)~~ of the tapping element ~~(25)~~.

20. (Currently amended) The phase shift assembly as claimed in claim 1,
~~characterized in that~~wherein the center points of the stripline sections ~~(21a to 21e)~~ and the
center point of the pivoting axis ~~(23)~~ are offset with respect to one another.

21. (Currently amended) The phase shift assembly as claimed in claim 1,
~~characterized in that~~wherein the stripline sections (21a to 21e) have different thicknesses.

22. (Currently amended) The phase shift assembly as claimed in claim 1,
~~characterized in that~~wherein the stripline sections (21a to 21e) have different impedance
values ~~or identical impedance values, in particular around 50 Ohms.~~

Claim 23 previously canceled without prejudice.

24. (Currently amended) A radio-frequency phase shift assembly coupled to a
feedline, having the following features comprising:

- ~~having~~ at least two stripline sections (21a, 21b, 21c, 21d) ~~which are~~
arranged offset with respect to one another,
- ~~on the at least two stripline sections (21a, 21b, 21c, 21d),~~ at least two
different pairs of antenna radiating elements coupled to the at least two stripline sections
(1a, 1b, 1c, 1d, 1e, 1f) ~~can be~~and driven with different phase angles ~~(Φ)~~(Φ) at mutually
offset tapping points (39a, 39b),
- ~~having a tapping element (25) which can be pivoted~~pivotal about a
pivoting axis (23),
- the tapping element (25) ~~has~~having a tapping section (27) for each
stripline section (21a, 21b, 21c, 21d), ~~which the tapping sections (27) can be~~
pivotedbeing pivotal over the associated stripline section (21a, 21b, 21c, 21d) and is
being connected thereto,

- the tapping element (25) ~~is in this case furthermore~~ connected at least indirectly to ~~a~~ the feed line (13) such that the feed line (13) is electrically connected via a number of connection lines (31a, 31b, 31c, 31d) to the tapping sections (27) which are associated with ~~the individual~~ respective stripline sections (21a, 21b, 21c, 21d),

~~characterized by the following further features: wherein~~

- the stripline sections (21a—21e) ~~run~~ are formed in straight lines, ~~and are preferably formed~~ parallel to one another,

- the tapping element (25) ~~is formed like~~ comprises a pointer element which rotates about the pivoting axis (23), and

- ~~for this purpose,~~ the respective connection line (31a—31d) is formed with respect to a next, further outward stripline section (21b—21d) by extending the respective preceding further inward connection line (31a—31c) which leads to the respective further inward tapping section (27a—27c).

25. (New) The phase shift assembly of claim 1 wherein the stripline sections each have 50 ohms of impedance.

26. (New) An RF phase shifter comprising:

plural arcuate stripline elements of different lengths; and

a pivotable radial tapping element capacitively coupled to tap each of said plural arcuate stripline elements simultaneously, said radial tapping element rotating about a pivoting axis, said radial tapping element dividing power unequally between said stripline

elements in a predefined manner while simultaneously adjusting phase angle substantially equally in each of said plural arcuate stripline elements.

27. (New) The phase shifter of claim 26 wherein the plural stripline elements each have first and second ends for connection to respective antenna radiating elements.

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Appl. No. 10/049,809
March 30, 2004

AMENDMENTS TO THE DRAWINGS

The attached annotated sheet shows changes to Figure 1, 4, 7, 8a and 8b. These sheets replaces the original Figures 1, 4, 7, 8a and 8b sheets.

Attachment: Replacement Sheet Annotated to Show Changes